

AEC OAKLAND SUSTAINABILITY REPORT

INTEGRATED IMPACT 2015-2016





INTEGRATED IMPACT

INTRODUCTION:

Letter from the General Manager

Dear Community Members of the City of Oakland and Alameda County,

Environmental sustainability is a key pillar of the AEG brand and values, and AEG Oakland is proud to partner with its parent company AEG, the City of Oakland, Alameda County, and numerous local and regional organizations to protect and preserve the beauty, cleanliness, and health of our natural environment and resources. AEG 1Earth represents the corporation's global commitment to sustainability through responsible management and decision-making, and I am pleased to report that AEG Oakland continues to model the importance of living environmentally-friendly values at the local level across the breadth of our organizational and operational activities.

This year, Oracle Arena and Alameda County Coliseum reached a long-term goal when it achieved LEED certification status as a result of its conservation projects and initiatives. The LEED rating system is the industry standard for buildings, homes and communities that are designed, constructed, maintained and operated for improved environmental performance and human health. The LEED certification represents a significant milestone for AEG Oakland, and I thank the Oakland Alameda County Coliseum Authority Board for their enthusiastic support of our pursuit of this goal over the past several years.

Oracle Arena achieved LEED certification by implementing practical and measurable strategies and solutions aimed at achieving high performance in: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality. We will continue to implement this approach, constantly looking for large and small ways to make our operation more eco-efficient and to identify future projects that integrate environmentally sustaining practices into the daily operations of the Arena and Coliseum.

We will also continue to engage our guests, vendors, community partners, and fellow business owners in the ongoing challenge to heal and sustain our environment by conserving water, reducing energy consumption, and diverting waste not only at our facilities, but at home and throughout our community. While the AEG sustainability initiative is global, the collective work at the local level will ultimately make all the difference.

Thank you for your partnership in preserving the natural treasures of Oakland and Alameda County for future generations.

Sincerely,



Chris Wright
Vice President, AEG Facilities
General Manager, Oracle Arena & Oakland Alameda County Coliseum



LEED Certification

AEG Oakland proudly announced Oracle Arena's LEED® certification status this year, joining thousands of commercial and institutional buildings cited for high performance in sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality. The LEED rating system, developed by the U.S. Green Building Council (USGBC), is the foremost program for buildings, homes and communities that are designed, constructed, maintained and operated for improved environmental and human health performance.

“Building operations are nearly 40% of the solution to the global climate change challenge,” said Rick Fedrizzi, CEO and founding chair, USGBC. **“While climate change is a global problem, innovative companies like AEG Facilities Oakland, Oracle Arena are addressing it through local solutions.”**

To become LEED certified, Oracle Arena implemented a number of environmentally-conscious strategies throughout the venue, such as replacing all 30% recycled paper with 100% recycled paper and using only 100% post-consumer recycled paper products in restrooms. Additionally, Oracle Arena created recycling stations throughout the office for e-waste; installed low flow aerators for water conservation; partnered with a local vendor who turns oils from concessions into bio-diesel; implemented ORBIO Sc-5000 which utilizes water, salt and electricity to create a cleaning solution versus using chemicals; and retrofitted the arena by replacing all arena lighting with low energy fixtures and lamps as well as motion sensors in key areas to provide energy savings of more than \$80,000 a month. Oracle Arena is now one of the largest LEED-certified buildings in the region.



WATER EFFICIENT Plant Installation

Landscaping alternatives at the Arena and Coliseum provide a significant opportunity to reduce water consumption and contribute to statewide drought reduction efforts. AEG Oakland has replaced traditional grass and plants with succulents between the Arena and Coliseum planters, and substituted mulch for plants in other areas. In addition to providing a more contemporary appeal for our guests, the new plants require less water and maintenance – landscaping water usage has declined 70% compared to previous years. Arena and Coliseum guests appreciate the new signage with educational information about the types of water efficient plants and their effect on water conservation.



EV Charging Stations

AEG Oakland is currently installing two electric vehicle charging stations to support and promote the environmental benefits of electric automobiles. The charging stations will encourage more guests to drive electric vehicles to the Arena and Coliseum by offering exclusive parking spots near the lot entrance. AEG Oakland supports the use of electric vehicles due to the lack of carbon emissions, which reduces pollution and greenhouse gases.



BMS SYSTEM; Schneider Electric Resource Advisor



The Oakland Arena and Alameda County Coliseum continue to operate a Building Management System (BMS), an integrated system that collects, monitors, and analyzes utility usage to reduce water, electricity, and gas consumption over time. The cutting-edge system enables AEG Oakland to identify and implement strategies to minimize environmental impact and lower operating costs at its facilities.

LED Parking Lot Project

In 2015, AEG Oakland completed the installation of energy-efficient LEDs, or light-emitting diodes, throughout the Arena and Coliseum parking lots. The LEDs provide directional lighting that is more efficient, durable, and versatile than incandescent or florescent lighting without compromising visibility for guests. The conversion to LED light fixtures has reduced lighting costs by approximately 69% annually.



69%

Reduction in Annual Lighting Costs

America **RECYCLES** Day

Oracle Arena joined 33 AEG Facilities-affiliated venues nationwide in celebrating America Recycles Day, a nationally-recognized day dedicated to promoting and celebrating recycling in the United States. In collaboration with the Golden State Warriors and Levy Restaurants, AEG Oakland sponsored the 'Get Caught Recycling' event at a Warriors vs. Brooklyn Nets game. AEG staff monitored the arena before, during, and after the basketball game to identify fans "caught in the act" of recycling. Fans received prizes including signed Warriors memorabilia, Warriors merchandise, and concession gift certificates. This event is part of a national collaboration between AEG and Keep America Beautiful, the national nonprofit organization that organizes America Recycles Day.

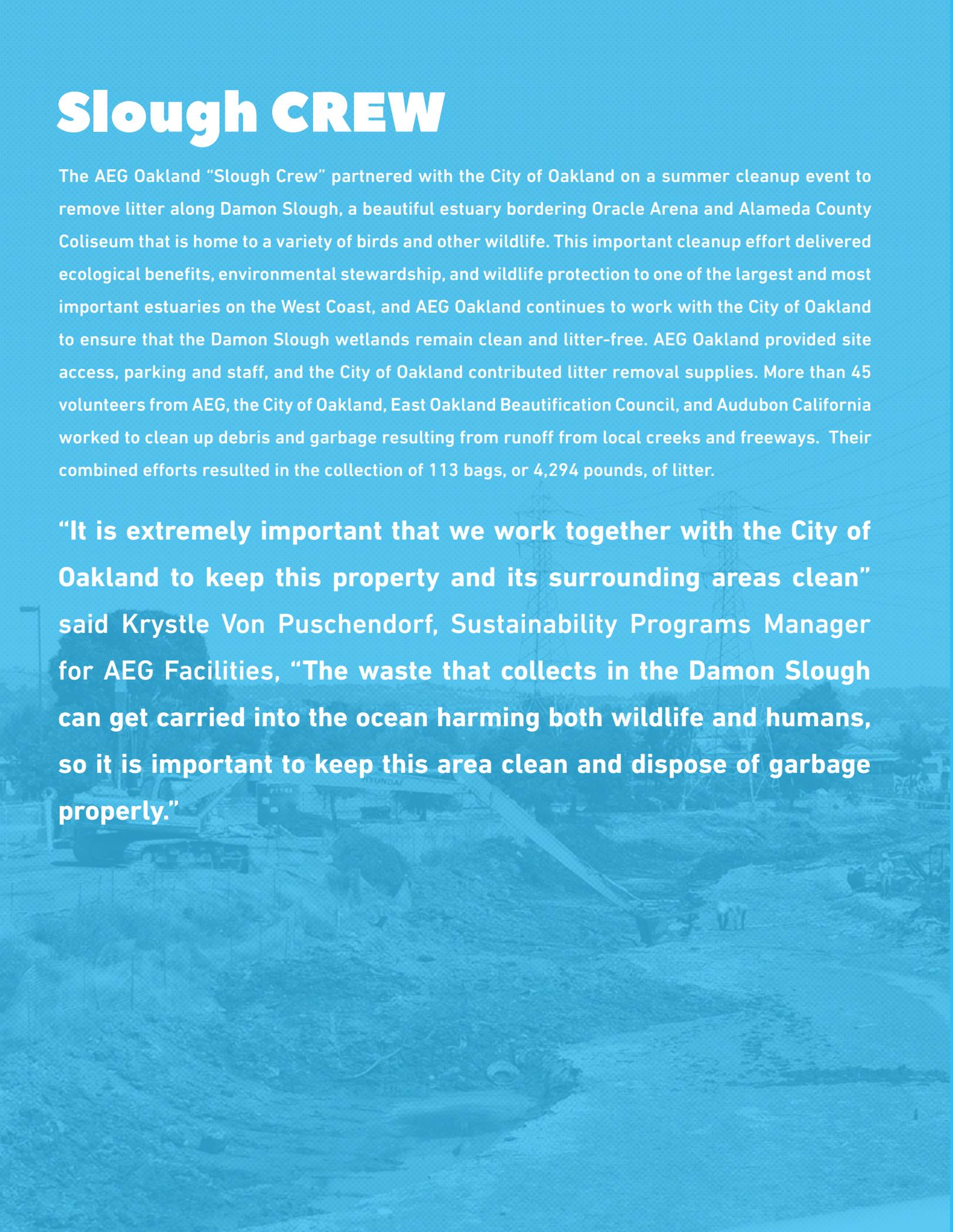


“Recycling is an essential element of AEG’s work to reduce our environmental impact,” said John Marler, AEG’s Senior Director, Energy and Environment. **“In addition to our ongoing efforts to promote recycling in our venues, we celebrate America Recycles Day because it gives us an opportunity to shine a spotlight on the importance of recycling and help our neighbors responsibly dispose of items that can be hard to recycle, like e-waste or clothing.”**

Slough CREW

The AEG Oakland “Slough Crew” partnered with the City of Oakland on a summer cleanup event to remove litter along Damon Slough, a beautiful estuary bordering Oracle Arena and Alameda County Coliseum that is home to a variety of birds and other wildlife. This important cleanup effort delivered ecological benefits, environmental stewardship, and wildlife protection to one of the largest and most important estuaries on the West Coast, and AEG Oakland continues to work with the City of Oakland to ensure that the Damon Slough wetlands remain clean and litter-free. AEG Oakland provided site access, parking and staff, and the City of Oakland contributed litter removal supplies. More than 45 volunteers from AEG, the City of Oakland, East Oakland Beautification Council, and Audubon California worked to clean up debris and garbage resulting from runoff from local creeks and freeways. Their combined efforts resulted in the collection of 113 bags, or 4,294 pounds, of litter.

“It is extremely important that we work together with the City of Oakland to keep this property and its surrounding areas clean” said Krystle Von Puschendorf, Sustainability Programs Manager for AEG Facilities, **“The waste that collects in the Damon Slough can get carried into the ocean harming both wildlife and humans, so it is important to keep this area clean and dispose of garbage properly.”**

A blue-tinted photograph of a construction site. In the foreground, there is a large pile of dirt and debris. A yellow excavator with "HYUNDAI" written on its side is positioned in the middle ground, facing right. To the left, a white truck is partially visible. In the background, there are power lines and a building. The overall scene is a construction or cleanup site.

An aerial photograph of Oakland, California, showing a dense urban landscape with numerous skyscrapers and buildings. In the foreground, a marina is visible with several sailboats docked. The entire image is overlaid with a light gray grid pattern. The text 'INTEGRATED IMPACT' is centered in the upper half of the image, underlined.

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